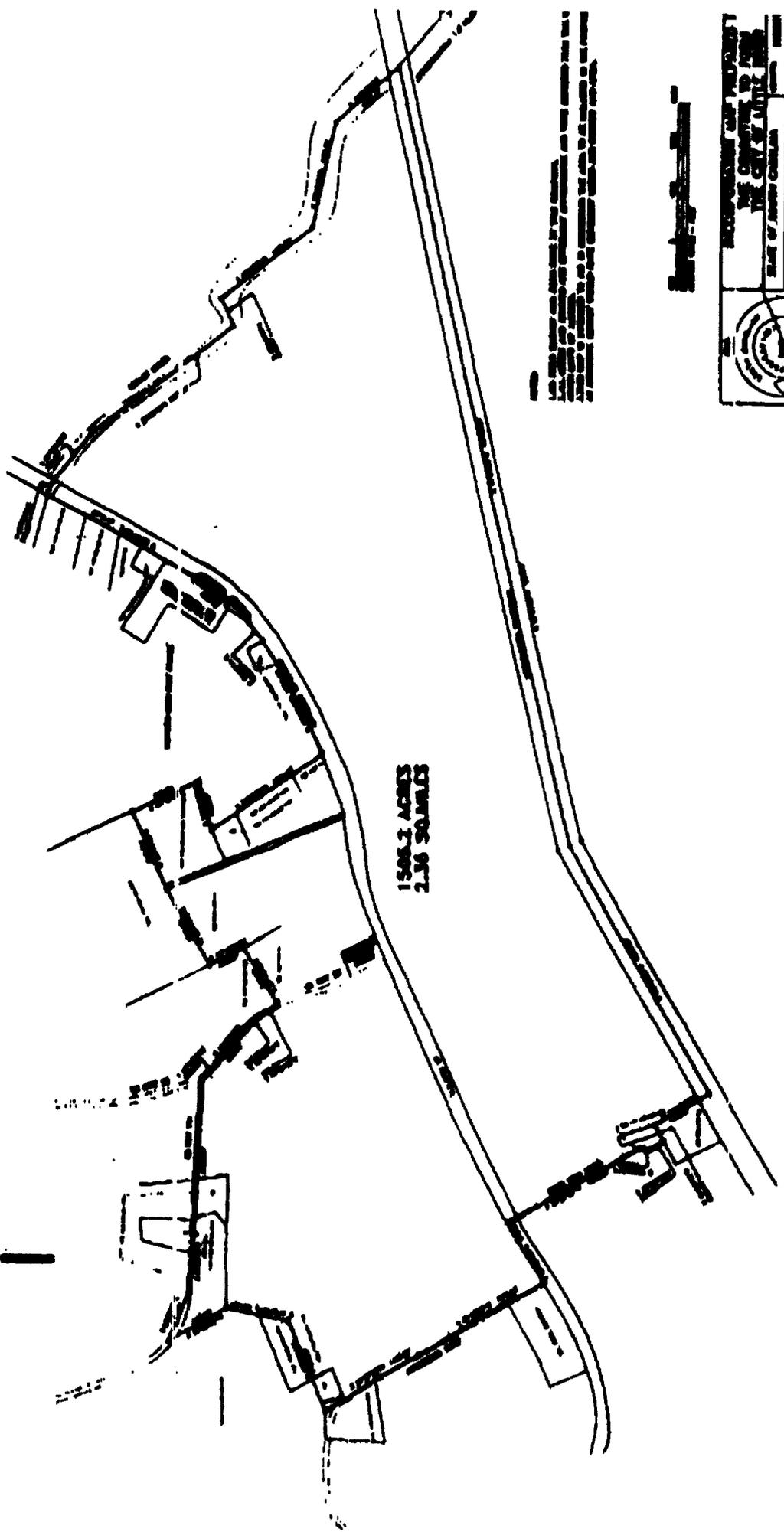


RECORDED AND INDEXED
 THE COUNTY OF
 THE CITY OF
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Map	
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Map of

THE CITY OF
STATE OF



1506.1 ACRES
2.56 SQUARES



1000

EXHIBIT 5

ATLANTIC BROADCASTING COMPANY
MINOR CHANGE AMENDMENT
BPH-9501031A
WCIG(FM) - CH 296C2
MULLINS, SOUTH CAROLINA
February 1995

Exhibit #2A

Atlantic Broadcasting Company ("ABC") proposes to locate the WCIG antenna on an existing tower near Conway, South Carolina. The city of Mullins, South Carolina (WCIG city of license), is located 39.75 kilometers from the proposed WCIG antenna site. The proposed WCIG city grade contour (3.16 mV/m, 70 dBu) does not completely encompass the city of Mullins when utilizing the FCC method of calculating the contour.¹ We have determined that a supplemental method of depicting city grade coverage, as noted in §73.313(e) of the Commission's rules, is appropriate. As shown below, the terrain between the site and the city of Mullins, on the pertinent radial (through the city of license), varies widely from the 3.0 to 16.0 kilometer average.

The city of Mullins, South Carolina, falls in an arc between 317° and 319° from the proposed WCIG transmitter site. Analyzing individual radials from the proposed WCIG site toward Mullins at 317°, 318° and 319°, we have determined the location of the city grade contour based on the standard utilization of the Commission's 50/50 curves (see Exhibit #2B).

We have alternatively determined the location of the 70 dBu (3.16 mV/m) contour using the Institute for Telecommunications Sciences (ITS) irregular terrain model, based on the NBS

1) §73.313(c) and §73.333.

Technical Note #101 methodology. This model is implemented in a program called "Coverage", which is available to the public through the National Telecommunications and Information Administration (NTIA). In this particular situation, coverage calculations for the 70 dBu contour have been made in a point-to-point mode (minimum signal). This alternative method, such as that described in the NBS Technical Note #101, provides a more representative prediction of field strength than the standard methodology. A summary of the data and a tabulation of the results of this report, at 10° intervals along the additional cardinal radials and in the pertinent arc, are attached as Exhibit #2B.

With reference to Exhibit #2B, the supplemental depiction distances are in excess of 10% higher than the distances using the Commission's standard methodology. Based on the Staff's policy, we find the terrain on these pertinent radials varies widely from the 3.0 to 16.0 kilometer average and, therefore, pursuant to §73.313(e), a supplemental method of depicting the city grade coverage is acceptable.

Using the supplemental method, as visually demonstrated on Exhibit #2C, we find the city grade contour, in the direction of Mullins, South Carolina, extends 49.0 kilometers, which is well beyond the city of Mullins. Therefore, based on the supplemental depiction, we find the city of Mullins is completely encompassed by the city grade contour of the proposed WCIG facility in compliance with §73.315 of the Commission's rules.

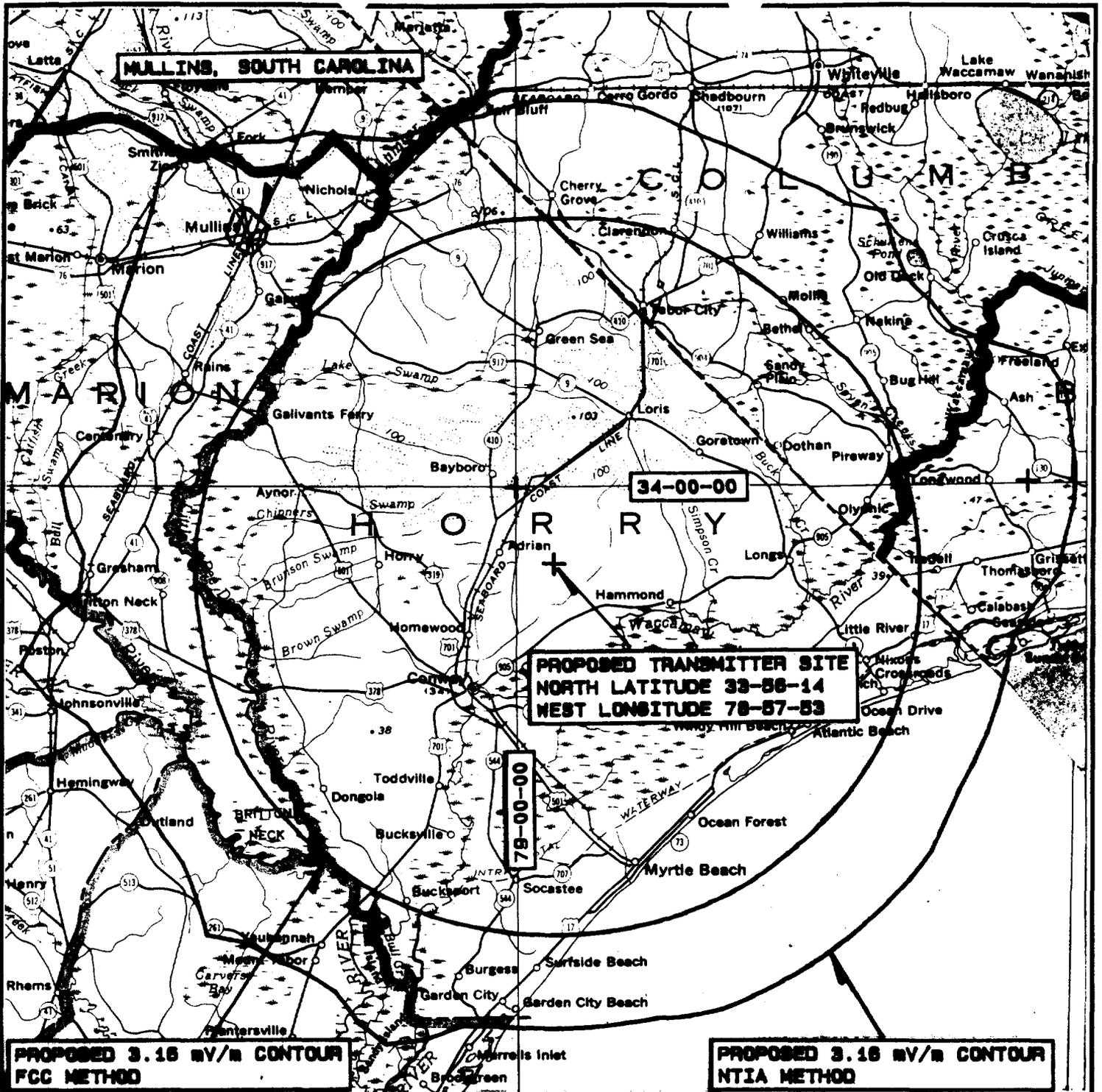
ATLANTIC BROADCASTING COMPANY
MINOR CHANGE AMENDMENT
RFR-950103IA
NCIG(FM) - CH 296C2
MULLINS, SOUTH CAROLINA
February 1995

EXHIBIT #2B

Predicted Signal Contours:

33 56 14 -
78 57 53 -

ERP = 50 kW, 16.99 dBk	FCC Method	NTIA Method	Change	Method		
Radial	HAAT	kW	70 dBu	70 dBu	%	Used
0 Degs.	123.4M	50.000	29.8	42	+41	NTIA
10 Degs.	125.7M	50.000	30.0	42	+40	NTIA
20 Degs.	127.4M	50.000	30.2	41	+36	NTIA
30 Degs.	125.6M	50.000	30.0	41	+37	NTIA
40 Degs.	125.6M	50.000	30.0	42	+40	NTIA
45 Degs.	126.8M	50.000	30.1	44	+46	NTIA
50 Degs.	128.0M	50.000	30.3	41	+35	NTIA
60 Degs.	136.0M	50.000	31.1	42	+35	NTIA
70 Degs.	137.6M	50.000	31.2	49	+57	NTIA
80 Degs.	137.9M	50.000	31.3	48	+53	NTIA
90 Degs.	139.8M	50.000	31.5	46	+46	NTIA
100 Degs.	142.0M	50.000	31.7	42	+32	NTIA
110 Degs.	143.3M	50.000	31.9	42	+32	NTIA
120 Degs.	145.4M	50.000	32.1	42	+31	NTIA
130 Degs.	146.1M	50.000	32.2	43	+34	NTIA
135 Degs.	145.5M	50.000	32.1	43	+34	NTIA
140 Degs.	144.6M	50.000	32.0	43	+34	NTIA
150 Degs.	145.4M	50.000	32.1	43	+34	NTIA
160 Degs.	144.5M	50.000	32.0	43	+34	NTIA
170 Degs.	143.7M	50.000	31.9	42	+32	NTIA
180 Degs.	143.1M	50.000	31.8	42	+32	NTIA
190 Degs.	142.6M	50.000	31.8	42	+32	NTIA
200 Degs.	143.8M	50.000	31.9	46	+44	NTIA
210 Degs.	144.5M	50.000	32.0	43	+34	NTIA
220 Degs.	143.1M	50.000	31.8	44	+38	NTIA
225 Degs.	143.1M	50.000	31.8	46	+45	NTIA
230 Degs.	142.1M	50.000	31.7	43	+36	NTIA
240 Degs.	141.0M	50.000	31.6	43	+36	NTIA
250 Degs.	135.6M	50.000	31.0	44	+42	NTIA
260 Degs.	133.1M	50.000	30.8	49	+59	NTIA
270 Degs.	133.1M	50.000	30.8	42	+36	NTIA
280 Degs.	130.8M	50.000	30.5	45	+48	NTIA
290 Degs.	129.1M	50.000	30.4	41	+35	NTIA
300 Degs.	124.7M	50.000	29.9	45	+51	NTIA
310 Degs.	123.0M	50.000	29.8	47	+58	NTIA
315 Degs.	122.5M	50.000	29.7	50	+68	NTIA
317 Degs.	122.6M	50.000	29.7	50	+68	NTIA
318 Degs.	122.7M	50.000	29.7	49	+65	NTIA
319 Degs.	122.6M	50.000	29.7	49	+65	NTIA
320 Degs.	122.4M	50.000	29.7	49	+65	NTIA
330 Degs.	125.0M	50.000	30.0	45	+50	NTIA
340 Degs.	124.4M	50.000	29.9	41	+37	NTIA
350 Degs.	125.1M	50.000	30.0	41	+37	NTIA

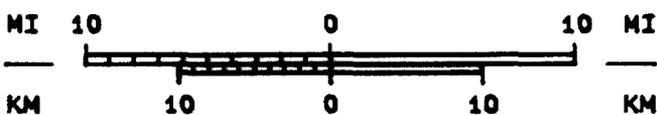


CITY GRADE CONTOUR DETAIL

MAP IS A PORTION OF THE COMPOSITE OF THE
USGS 500,000 SCALE MAPS 'NORTH CAROLINA'
AND 'SOUTH CAROLINA'

EXHIBIT #2C

ATLANTIC BROADCASTING CO
MINOR CHANGE AMENDMENT
BPH-950103IA
WCIG (FM) - 296C2
MULLINS, SOUTH CAROLINA
FEBRUARY 1995



GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

Communications System Coverage Model
 Input Summary
 23-Jan-95 09:21:59

 Process Filename: CV288Jan2395C.que

- 1) Model: Point-to-point irregular terrain model
- 2) Output option: Field intensity
- 3) Length units: Metric (km and m)
- 4) Service Application: Broadcast
- 5) Results option: FAX only
- FAX number: 912-638-7722
- 6) Location variability: 50.00 %
- 7) Time availability: 90.00 %
- 8) Situation variability: 50.00 %
- 10) Frequency: 107.100 MHz
- 11) Polarization: Horizontal
- 12) Conductivity: .005 S/m
- 13) Dielectric constant: 15.0
- 14) Climate zone: Continental temperate
- 20) Transmitter name: WKZQ SITE
- 21) Transmitter location:

Latitude	Longitude
Deg N	Deg W
33.9372 33,56,14.0	78.9647 78,57,53.0
- 22) Xmtr site elevation: 15.0 m 49.2 ft
- 23) Xmtr ant ht AGL: 150.00 m 492.13 ft
- 24) Transmitter radiation option: ERP
- 29) Effective Radiated Power: 50000.0 W
- Effective Isotropic Radiated Power: 82029.5 W
- 30) Transmitter ant horiz pattern: Omnidirectional
- 32) Transmitter ant vert pattern: Omnidirectional
- 40) Rcvr ant ht above ground: 9.10 m 29.86 ft
- 50) Man-made noise environment: Quiet rural
- 62) Analysis center:

Latitude	Longitude
Deg N	Deg W
33.9372 33,56,14.0	78.9647 78,57,53.0
- 66) Field intensity contour levels:
 - 1) 50.00 dBuV/m
 - 2) 60.00 dBuV/m
 - 3) 70.00 dBuV/m
- 67) Coverage study starting azimuth: .0 deg
- 67) Coverage study ending azimuth: 360.0 deg
- 67) Coverage study azimuth increment: 1 deg
- 69) Coverage limits: minimum Short Listing
- 68) Analysis radius: 75.00 km 46.60 mi

NTIA STUDY PARAMETERS

EXHIBIT #2D
 ATLANTIC BROADCASTING CO
 MINOR CHANGE AMENDMENT
 BPH-950103IA
 WCIG (FM) - 296C2
 MULLINS, SOUTH CAROLINA
 FEBRUARY 1995

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS